MR. L. H. JACOB (*Ag. Chief Engineer*): Just now, no.

MR. KAINIKKARA M. PADMANABHA PILLAI (*Changanachery I*): May I know then, how the various Government officers camping at Changanachery accommodate themselves there?

MR. L. H. JACOB (*Ag. Chief Engineer*): I claim notice.

MR. KAINIKKARA M. PADMANABHA PILLAI (*Changanachery I*): May I know whether there is any intrinsic connection between the absence of a T. B. and the various committees ignoring Changanachery?

DEPUTY PRESIDENT: That does not arise.

MR. E. V. KRISHNA PILLAI (*Pattanamtitta*): Is there a T. B. at Tiruvalla?

MR. L. H. JACOB (*Ag. Chief Engineer*): There is a camp-shed.

MR. E. V. KRISHNA PILLAI (*Pattanamtitta*): May I know, which is the place where there is a T. B. close to Changanachery?

MR. L. H. JACOB (*Ag. Chief Engineer*): Kottayam.

MR. E. V. KRISHNA PILLAI (*Pattanamtitta*): May I know the distance between Changanachery and Kottayam?

MR. L. H. JACOB (*Ag. Chief Engineer*): 12 miles.

MR. E. V. KRISHNA PILLAI (*Pattanamtitta*): Are there any places in the State where two T. B.'s exist at such close quarters?

MR. L. H. JACOB (*Ag. Chief Engineer*): I think the answer is "no".

Advisory Chemist for the Tincture Factory.

80. MR. T. KRISHNA PILLAI (*Neyyattinkara-II*): Will the Government be pleased to state:

(*a*) who the Advisory Chemist is for the Tincture Factory attached to the General Medical Stores;

(*b*) what training he had in the matter of tincture manufacture;

(*c*) what qualification the tincture maker possesses and

(*d*) how many tinctures were prepared during the year 1108, and in what quantities they were prepared?

RAO SAHIB DR. N. KUNJAN PILLAI (*Ag. Chief Secretary to Government*): (*a*) Mr. K. Sitarama Aiyar M. A., Assistant Professor of Chemistry, Science College.

(*b*) He was deputed to the Government of India Drug Factory attached to the Government Medical Stores, Madras, to study the methods of preparation and testing of the various tinctures.

(*c*) The tincture maker has been trained as analytical and pharmaceutical chemist in the School of Chemical Technology at Calcutta, which is affiliated to the City and Guilds Institution, London.

(*d*) A statement containing the names and quantities of tinctures prepared is given below:—

	Name of Medicine.		*Quantity.* Lbs.
1	Linementum Saponis	...	990
2	Liquor Ammonia Acetatis	...	1805
3	Liquor Epispasticus	...	6

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[Rao Sahib Dr. N. Kunjan Pillai.]

	Name of Medicine.		*Quantity lbs.*
4	Tincture Asafoetida	...	195
5	Tincture Benzoin Co.	...	195
6	,, Calumbae	...	490
7	,, Camphor Co.	...	4000
8	,, Cardamomi Co.	...	2015
9	,, Cinnamomi	...	195
10	,, Ferri Perchlor	...	1485
11	,, Hammamelidis	...	97
12	,, Nucis Vomica	...	600
13	,, Opii	...	500
14	,, Rhei Co.	...	405
15	,, Zingiberis	...	6548
16	Vinum Ipecac	...	1100
17	Zingiberis Pulvis	...	300

MR. T. KRISHNA PILLAI (*Neyyattinkara II*): May I know whether the tinctures manufactured in the State stand any comparison, both in regard to quality and quantity, to those from outside?

RAO SAHIB DR. N. KUNJAN PILLAI (*Ag. Chief Secretary to Government*): I think the Medical Department is satisfied with the quality of tinctures made here.

MR. T. KRISHNA PILLAI (*Neyyattinkara II*): Is it a fact that the same tincture manufactured at different times varies in colour and quality?

RAO SAHIB DR. N. KUNJAN PILLAI (*Ag. Chief Secretary to Government*): I claim notice.

MR. K. PADMANABHAN (*Chirayinkil I*): May I know whether any chemicals other than tinctures are manufactured in the factory?

RAO SAHIB DR. N. KUNJAN PILLAI (*Ag. Chief Secretary to Government*): I claim notice.

MR. K. PADMANABHAN (*Chirayinkil I*): May I know whether Government are getting a profit by running this factory?

RAO SAHIB DR. N. KUNJAN PILLAI (*Ag. Chief Secretary to Government*): I claim notice.

MR. K. PADMANABHAN (*Chirayinkil I*): May I know whether there are any private factories in the State for the manufacture of tinctures?

RAO SAHIB DR. N. KUNJAN PILLAI (*Ag. Chief Secretary to Government*): I am not aware.

MR. G. NILAKANTAN (*Nominated*): May I know wherefrom the spirit necessary for the manufacture of tinctures is obtained?

DEPUTY PRESIDENT: That does not arise.

MR. V. RAMAKRISHNA PANICKAR (*Kartikapalli II*): May I know whether the tinctures referred to in the answer are used for public purposes in Travancore?

RAO SAHIB DR. N. KUNJAN PILLAI (*Ag. Chief Secretary to Government*): They are used for treatment.

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MR. V. RAMAKRISHNA PANICKAR (*Kartikapalli II*): Which is cheaper, the manufacture here or abroad?

RAO SAHIB DR. N. KUNJAN PILLAI (*Ag. Chief Secretary to Government*): Tinctures manufactured here are certainly cheaper.

The Alleppey Pier.

31. ***MR. M. N. NAIR** (*Kottayam I*): Will the Government be pleased to state:

(*a*) whether they are aware that, due to the silting up of sand underneath the pier at the Alleppey Port, only two out of the six stages on the pier are now useful for loading and unloading goods;

(*b*) whether they are also aware that, due to the delay caused thereby, big steamers are reluctant to touch the port of Alleppey now-a-days; and

(*c*) what action they are taking both to remove the sand already silted up and also to prevent further silting up as at present?

MR. T. C. THOMMEN (*Ag. Secretary to Government*): (*a*) Out of the eight stages, including two steam cranes and two hand cranes on the pier for working cargo, four stages and two cranes are now useful for loading and unloading goods at all stages of the tide and two cranes also are workable at high tide.

(*b*) All possible temporary arrangements have been made to avoid delay to cargo work on the pier. Big steamers are calling at the port as often as here-to-fore and they are not reluctant to touch the port.

(*c*) Cutting of the sand ridges and removal of sand by hand bucket dredging and an excavation scheme for the removal of sand accreted have been sanctioned by Government on the recommendation of the Principal Port Officer. The hand bucket dredging work is in progress and will be continued for some time as a temporary measure. Government propose to obtain the services of an expert to investigate and report to Government the causes of sand accretion. Measures for the prevention of further silting will be considered on receipt of the report from the expert.

MR. M. N. NAIR (*Kottayam I*): With reference to answer to part (*b*), is not the bucket dredging scheme a source of loss to Government?

MR. T. C. THOMMEN (*Ag. Secretary to Government*): That is only a temporary measure.

MR. M. N. NAIR (*Kottayam I*): For how long is this temporary measure to be continued?

MR. T. C. THOMMEN (*Ag. Secretary to Government*): Till a report of the expert is received.

MR. M. N. NAIR (*Kottayam I*): Has any expert been obtained to investigate the matter?

MR. T. C. THOMMEN (*Ag. Secretary to Government*): The Government are trying to get the services of an expert.

MR. M. N. NAIR (*Kottayam I*): Is it likely that the services of an expert will be got soon?

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